

Since 1970



Professional Quality Materials

Formulated Exclusively for the Reinforced Composites and Cast Polymer Industries

RELEASES

COMPOUNDS

POLISHES

SEALERS



Serving the FRP and Cast Polymer markets for over 45 years.

TR Industries 100 Series Paste Wax Mold Releases are the most recognized and most widely used wax releases on the market today. Our 100 Series continues to be the industry leader and standard for over 45 years, with the Hi-Temp known more for its color than code number. One source for your entire wax release requirements.



A release agent for many composite molding applications utilizing polyester/epoxy tooling, Formica, metal and other hard surface molds.

All mold releases are primarily a number one grade carnauba blend which yield unsurpassed releases. In its raw form, one of the hardest waxes available.

Incorporating specific synthetic waxes with high carnauba content offers advantages of excellent chemical and heat resistant properties, high gloss profile and easy polishing characteristics.

Simply wipe on (100, 102 & 104) and allow wax to dry to a haze (5-10 minutes) at room temperature prior to polishing. Excellent ease of wipe for extended time.

Our 108 should not be allowed to completely dry before wiping. Polish wipe while wax is still slightly soft or wet. Aids in new tooling break-in with improved bonding and hardness. Excellent for tape adhesion applications including when masking is required for multi-color gel-coats in the marine market.



14 oz. (397 g)

100 Gold Wax

A production paste release blended with various waxes for use in all molding applications. Applies and wipes off easily without streaking. Wipe evenly onto mold surface in a circular motion and allow to dry. Polish with soft toweling. (14 oz. – 397g can)

102 Regular Mold Release

A high production paste release with excellent breakdown for fast, even coverage. Formulated for fast drying with a pure carnauba base. Extremely easy to apply and wipe off. May be allowed to sit during breaks, lunch, etc., before removal. (14 oz. – 397g can)

104 Hi-Temp Mold Release

An industry standard premium paste release for use in higher exothermic applications. Easy to apply with fast drying streak free properties. Less wax/styrene build-up than conventional synthetic or paraffin releases due to its hard chemical resistant properties.

108 Basic Mold Release

A versatile silicone free high carnauba content paste release with excellent sealing properties. Provides a hard wax coating making it ideal for breaking in new molds. Useful for verticle surfaces.

110 Seal Wax

Economical general purpose carnauba based semi-paste release. Easy wipe or brush applied allowing for fast application to mold flanges, cultured marble hats and other rough surfaces. (1 gal can & 5 gal pail)

111 Slurry Wax

A soft wax for use on non-cosmetic applications, flanges, edges, hats where gloss is not required. (1 gal can, 5 gal pail & 55 gal drum)

NOTE: When molding with polyester resins on new or reconditioned gel-coated tooling surface, it is recommended to seal entire tool surface or repaired area with TR-301 Sealer/Glaze or TR-910 Mold Sealer. This will enhance gloss, aid initial release and break-in for maximum mold life.

After sealing, apply a minimum 4-6 coats of paste wax release waiting 30-60 minutes between coats after polish wipe for wax to completely set and harden.

Follow with a coat of wax for the first 2-3 parts released. After initial break-in, reapply as necessary.

Originally formulated to parallel our 100 Series Paste Wax with features to speed production, reduce or minimize styrene/wax accumulation, which extends gloss retention and maintains slip properties when molding with polyester gel coats and resins. Additional non wax releases have been added over time to offer composite molders a wider range of application options.



Economical liquid release agents for composite molding on polyester/epoxy tooling, melamine, metal & other hard surface molds as well as many flexible mold surfaces. Particularly well suited for high production applications allowing molds to be in use longer before complete stripping is required.

Liquid wax releases (210, 214 & 216) are primarily a number one grade carnauba wax blended with other synthetic waxes in a liquid solvent carrier. Offering quick & easy application by hand or spray with excellent high thermal resistance and high gloss retention for Class 'A' finished parts.

Liquid releases (212, 220 & 226) are non-wax based parting agents for various composite molding applications utilizing thermoset and thermoplastic resins. Effectively minimizing mold build up while offering possible multiple release capability for many applications.

210 Self Striping Release Wax

The most popular liquid wax release used in the composites market. A one step cleaner release, all in one. Formulated to reduce or eliminate styrene/wax build-up problems for various polyester resin applications. (1 gal can)

214 Regular Liquid Wax Release

Comparable wax blend to 210 with less active solvent. Dries slower than 210 with less cleaning ability. Easily applies and wipes clean. Effective release for non-skid, sandblasted, knurled or grained surfaces. (1 gal can)

214-PC Polymer Wax Release (NEW)

A liquid sealer & release formulated with high temperature waxes and proprietary polymer technology for increased production efficiency. Economical providing multiple releases for most applications. (1 gal can)

216 Hi-Temp Liquid Wax Release

Uniform wax solution with excellent high-temp properties. Versatile release with easy wipe & polishing characteristics. Suitable for polyester, epoxy, urethanes. Helps maintain glossy finish when using polyesters. (1 gal can, 5 gal pail & 55 gal drum)

212 High Temperature Release

A nearly frictionless hi-temp fluoropolymer capable of withstanding 500°F. Works well on various thermoset resins, thermoplastics & rubber. Excellent for injection molding and vacuum forming. (1 gal can, 5 gal pail & 55 gal drum)

220 Liquid Release (available in paste form)

Provides a smooth lubricating oily film with temp-resistance to 400°F. Use on a wide variety of substrates - metal, composite, plastic, clay, plaster, etc. (1 gal can, 5 gal pail & 55 gal drum)

226 Polymer Concrete Release

A liquid polymer mold release for use with highly filled resins such as polymer concrete casting or other non gel-coat closed mold polyester applications. (1 gal can, 5 gal pail & 55 gal drum)

NOTE: Always condition or prep a new polyester mold with multiple coats of "100 Series Paste Wax" before incorporating regular use of only "200 Series Liquid Wax" release. Liquid wax mold release recommended for use on fully cured, well conditioned composite molds only.



TR Industries 300 & 500 Series provide an economical comprehensive range of surface care products. From start to finish, rely on TR products for the best possible gloss, smoothness and appearance. Used worldwide to provide composite molders an edge in plug and mold surface preparation prior to release application, resulting in high quality finished parts.



301 Sealer Glaze

Unique blend of glaze & sealers in a liquid wax base emulsion used to seal new or reconditioned composite molds prior to application of 100 series paste wax. Seals and fills minor imperfections and porosity leaving a very high gloss tooling gel-coat surface. Excellent for finished parts. (1 gal jug)

307 Fine Finish

Off-White emulsified water base paste compound providing a smooth mirror like appearance on gel coated molds and finished parts. Effectively removes 1000g and finer sanding scratches. (1 gal can, 5 gal pail & 55 gal drum)

308 Fine Finish II

Liquid water base emulsion polish producing an exceptional high gloss finish eliminating swirl marks & minor surface imperfections. Fine aluminum oxide powder provides more polish than cutting. Final polish for tooling, gel coated parts and paints. (1 gal jug)

309 Regular Compound

Off-White emulsified water based paste with fast cutting ability to remove sanding marks, surface imperfections and light oxidation on gel coated finishes. Removes 600g sand marks to a uniform gloss finish. (1 gal can, 5 gal pail & 55 gal drum)

310 Fine Finish II+ (NEW)

A blend of fine aluminum oxide polishing powders in an emulsified water base producing an excellent scratch and swirl remover polishing compound. Produces high gloss finish while removing light oxidation and fine sanding scratches. (1 gal jug)

311 Super Duty Compound

Water based emulsion blend of abrasives that provides fast initial cutting, which subsequently breaks down to finer particle size while buffing to produce a uniform high gloss surface. Ideal for final mold, plug or finished part polishing. Light beige color. (1 gal jug)

315 Fast Cut Coarse Compound

A heavy duty paste compound developed specifically to provide rapid removal of coarse sanding marks, scratches, overspray, surface stains, orange peel and heavy oxidation on polyester gel-coat. (1 gal can, 5 gal pail & 55 gal drum)

500 One-Step Polish/Sealer Cleaner

Liquid polishing compound containing carnauba wax used to polish, clean and seal. Improves weathering and outdoor protection on gel-coat finishes. Use by hand or machine buffer, easily removes up to 800g sanding marks when used by machine. Excellent for marine applications. (1 gal jug)

502 Wax Build-Up Remover

A fine polishing compound without abrasives used to clean and restore mold surface without breaking the original seal properties of tool. Apply when first dullness or haze appears on tool and machine buff back to a high gloss and follow with two coats of paste wax release. (1 gal jug)

510 Poly Sealant Polish

A water based high performance polishing compound containing a balanced blend of reactive polymers and polishing agents for excellent weathering and detergent resistance. To seal and preserve finish providing UV protection on all gel coated, acrylic, painted finishes and other cosmetic surfaces. (1 gal jug)



TR Industries has been supplying the Composites industry with the most cost effective release products for over 45 years. Our 900 Series Semi-Permanent Releases continues the tradition of a long line of TR products that advance technology to the next level. Multiple Releases per application reduce labor costs.



High temperature (750°F) multiple capability semi-permanent mold release coatings which cure under atmospheric condition, bonding a durable, thin, clear release film to the mold surface. Minimizing build-up on tool surface while eliminating and reducing transfer to critical finished parts. Excellent gloss retention when molding with polyester resins and gel coat.

Multiple releases per application for polyester and epoxy resins, polyamides, SMC, BMC, and other various resins in fiberglass or graphite composite molding processes, thermoplastic rotational and rubber molding.

Excellent release for general purpose polyester molding & advanced epoxy molding utilizing composite & metal molds. Available versions for polymer concrete, filament winding & injection molding processes.



905 Mold Cleaner

A blend of active solvents to remove oils and other contaminants from tooling surface before use of 900 series.

910 Mold Sealer

Seals minor porosity or imperfections before use of the mold release. Aids break-in release with excellent resistance to styrene. Improves release durability and gloss retention.

900 Release (Wipe on – Wipe off)

High solids medium slip release reducing or eliminating sealer step for most polyester molding applications. Ease of polish wipe to high gloss without streaking.

920 Release (Wipe on – Wipe off)

Economical semi-permanent release for polyester, epoxy and other polymer resins. Durable film with no transfer. Effective for wide range of molding processes.

930 Release (Wipe – Wipe off or Wipe on – Leave on)

Versatile release that provides additional slip on more complex mold design. Fast cure to high gloss with no mold build-up. Use polish step for high gloss polyester molding.

930-HS Release (Wipe on – Leave on) (NEW)

High slip low odor fast curing release for various polymers. Excellent for difficult to release closed mold processes, filament winding and non gel-coat applications.

940 Release (Spray on – Leave on)

Spray-on release which dries uniformly to gloss finish without polishing. Apply sufficient multiple coats one after another waiting 30 minutes after final coat before molding.

950 Release (Wipe on – Leave on)

Wipe on release that requires no secondary polishing. Dries evenly to high gloss finish for all polyester gel coat molding. Added sealing properties reduce the need of a mold sealer.

960 Release (Wipe on – Leave on)

Providing multiple releases with no transfer. Effective for use with thermoset resins and thermoplastics applications. Use for a matte or lower gloss finish on gel-coated parts.

Available in 1 gallon, 5 gallon & 55 gallon drums.

For All Your Composite Mold Release Requirements

SANDING
(1,000X magnification)

COMPOUNDING
(10,000X magnification)

SEALING
(1,000X magnification)

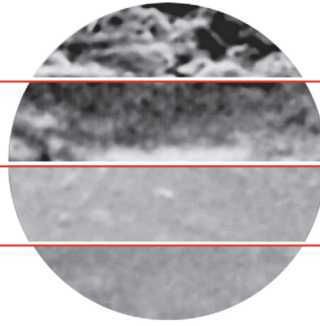
WAXING
(10,000X magnification)

600 – 1200g
SANDING

TR-311
SUPER DUTY COMPOUND

TR-301
SEALER GLAZE

TR-102
REGULAR WAX



GEL-COAT SURFACE

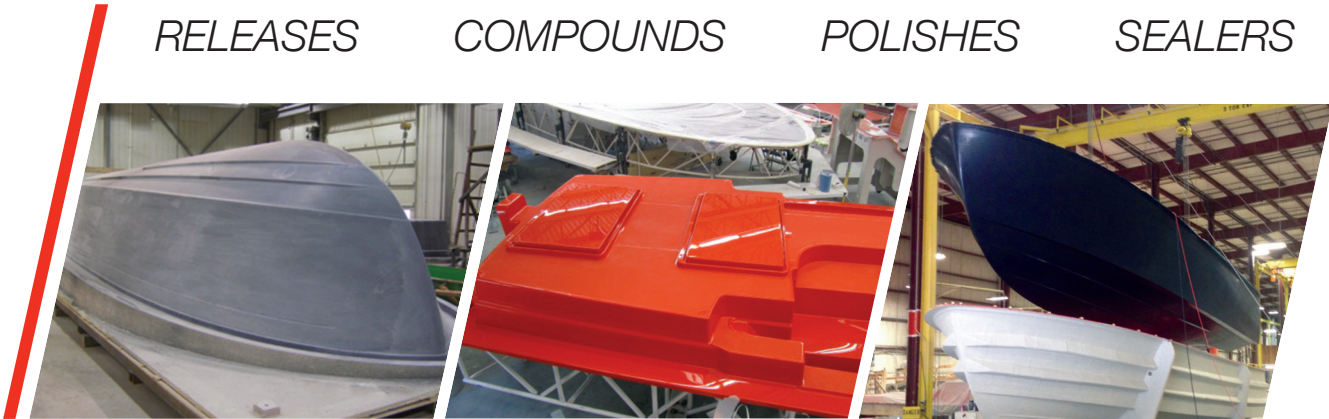
From Plug to Mold to Production, Rely on 

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